

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	2	US-6403830-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/24 06:20
L3	1	("6403830").URPN.	USPAT	OR	ON	2005/03/24 07:46
L4	1	"5132453".PN.	USPAT; USOCR	OR	ON	2005/03/24 06:48
L5	1	"5132453".PN.	USPAT; USOCR	OR	ON	2005/03/24 06:49
L6	1	"5684008".PN.	USPAT; USOCR	OR	ON	2005/03/24 06:49
L7	1	"5830917".PN.	USPAT; USOCR	OR	ON	2005/03/24 06:49
L8	1	"5854251".PN.	USPAT; USOCR	OR	ON	2005/03/24 06:49
L9	1	"5889056".PN.	USPAT; USOCR	OR	ON	2005/03/24 06:50
L10	1	"5919787".PN.	USPAT; USOCR	OR	ON	2005/03/24 06:50
L11	1	"5945408".PN.	USPAT; USOCR	OR	ON	2005/03/24 06:50
L12	1	"5981511".PN.	USPAT; USOCR	OR	ON	2005/03/24 06:51
L13	1	"5994391".PN.	USPAT; USOCR	OR	ON	2005/03/24 06:51
L14	438	562/553.ccls.	USPAT	OR	ON	2005/03/24 07:46
L15	193	562/554.ccls.	USPAT	OR	ON	2005/03/24 07:46
L16	185	562/557.ccls.	USPAT	OR	ON	2005/03/24 07:47
L17	780	l14 or l15 or l16	USPAT	OR	ON	2005/03/24 07:47
L18	68576	ion adj exchange	USPAT	OR	ON	2005/03/24 07:55
L19	105	l17 and l18	USPAT	OR	ON	2005/03/24 07:48
L20	188300	membrane	USPAT	OR	ON	2005/03/24 07:48
L21	31	l19 and l20	USPAT	OR	ON	2005/03/24 09:46
L22	3900	ion adj exchange adj membrane	USPAT	OR	ON	2005/03/24 07:55
L23	4	l19 and l22	USPAT	OR	ON	2005/03/24 10:51
L24	0	"20020019563"	USPAT	OR	ON	2005/03/24 09:47
L25	2	("20020019563").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/03/24 10:31

L26	0	("dowexsameflask").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/03/24 10:25
L27	486	dowex same flask	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/24 10:31
L28	4	I17 and I27	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/24 10:26
L29	11047	stir same flask	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/24 10:31
L30	1	I25 and I29	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/24 10:32
L31	1	"4,818,409".pn.	USPAT	OR	ON	2005/03/24 10:51

	Type	L #	Hits	Search Text	DBs
1	BRS	L2	2	US-6403830-\$.DID.	US- PGPUB; USPAT; EPO; JPO; DERWEN T
2	BRS	L3	1	("6403830").URPN.	USPAT
3	BRS	L4	1	"5132453".PN.	USPAT; USOCR
4	BRS	L5	1	"5132453".PN.	USPAT; USOCR
5	BRS	L6	1	"5684008".PN.	USPAT; USOCR
6	BRS	L7	1	"5830917".PN.	USPAT; USOCR
7	BRS	L8	1	"5854251".PN.	USPAT; USOCR
8	BRS	L9	1	"5889056".PN.	USPAT; USOCR
9	BRS	L10	1	"5919787".PN.	USPAT; USOCR
10	BRS	L11	1	"5945408".PN.	USPAT; USOCR
11	BRS	L12	1	"5981511".PN.	USPAT; USOCR
12	BRS	L13	1	"5994391".PN.	USPAT; USOCR
13	BRS	L14	438	562/553.ccls.	USPAT
14	BRS	L15	193	562/554.ccls.	USPAT

	Time Stamp	Comments	Error Definition	Errors
1	2005/03/24 06:20			
2	2005/03/24 07:46			
3	2005/03/24 06:48			
4	2005/03/24 06:49			
5	2005/03/24 06:49			
6	2005/03/24 06:49			
7	2005/03/24 06:49			
8	2005/03/24 06:50			
9	2005/03/24 06:50			
10	2005/03/24 06:50			
11	2005/03/24 06:51			
12	2005/03/24 06:51			
13	2005/03/24 07:46			
14	2005/03/24 07:46			

	Type	L #	Hits	Search Text	DBs
15	BRS	L16	185	562/557.ccls.	USPAT
16	BRS	L17	780	l14 or l15 or l16	USPAT
17	BRS	L18	68576	ion adj exchange	USPAT
18	BRS	L19	105	l17 and l18	USPAT
19	BRS	L20	188300	membrane	USPAT
20	BRS	L21	31	l19 and l20	USPAT
21	BRS	L22	3900	ion adj exchange adj membrane	USPAT
22	BRS	L23	4	l19 and l22	USPAT
23	BRS	L24	0	"20020019563"	USPAT
24	IS&R	L25	2	("20020019563").PN.	US- PGPUB; USPAT; EPO; JPO; DERWEN T
25	IS&R	L26	0	("dowexsameflask").PN.	US- PGPUB; USPAT; EPO; JPO; DERWEN T
26	BRS	L27	486	dowex same flask	US- PGPUB; USPAT; EPO; JPO; DERWEN T

	Time Stamp	Comments	Error Definition	Errors
15	2005/03/24 07:47			
16	2005/03/24 07:47			
17	2005/03/24 07:55			
18	2005/03/24 07:48			
19	2005/03/24 07:48			
20	2005/03/24 09:46			
21	2005/03/24 07:55			
22	2005/03/24 10:51			
23	2005/03/24 09:47			
24	2005/03/24 10:31			
25	2005/03/24 10:25			
26	2005/03/24 10:31			

	Type	L #	Hits	Search Text	DBs
27	BRS	L28	4	117 and 127	US- PGPUB; USPAT; EPO; JPO; DERWEN T
28	BRS	L29	11047	stir same flask	US- PGPUB; USPAT; EPO; JPO; DERWEN T
29	BRS	L30	1	125 and 129	US- PGPUB; USPAT; EPO; JPO; DERWEN T
30	BRS	L31	1	"4,818,409".pn.	USPAT

	Time Stamp	Comments	Error Definition	Errors
27	2005/03/24 10:26			
28	2005/03/24 10:31			
29	2005/03/24 10:32			
30	2005/03/24 10:51			

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	4	OCT 28	KOREAPAT now available on STN
NEWS	5	NOV 30	PHAR reloaded with additional data
NEWS	6	DEC 01	LISA now available on STN
NEWS	7	DEC 09	12 databases to be removed from STN on December 31, 2004
NEWS	8	DEC 15	MEDLINE update schedule for December 2004
NEWS	9	DEC 17	ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	10	DEC 17	COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	11	DEC 17	SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	12	DEC 17	CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	13	DEC 17	THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS	14	DEC 30	EPPFULL: New patent full text database to be available on STN
NEWS	15	DEC 30	CAPLUS - PATENT COVERAGE EXPANDED
NEWS	16	JAN 03	No connect-hour charges in EPPFULL during January and February 2005
NEWS	17	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	18	FEB 10	STN Patent Forums to be held in March 2005
NEWS	19	FEB 16	STN User Update to be held in conjunction with the 229th ACS National Meeting on March 13, 2005
NEWS	20	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	21	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	22	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	23	MAR 02	GBFULL: New full-text patent database on STN
NEWS	24	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	25	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	26	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	27	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	28	MAR 22	PATDPASPC - New patent database available
NEWS	29	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS EXPRESS			JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 07:18:09 ON 24 MAR 2005

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'CAPLUS' ENTERED AT 07:18:20 ON 24 MAR 2005

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FILE COVERS 1907 - 24 Mar 2005 VOL 142 ISS 13

FILE LAST UPDATED: 23 Mar 2005 (20050323/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> amino acid

1017155 AMINO

42 AMINOS

1017172 AMINO

(AMINO OR AMINOS)

3954050 ACID

1469442 ACIDS

4430324 ACID

(ACID OR ACIDS)

L1 643222 AMINO ACID

(AMINO(W)ACID)

=> ion exchange

1090737 ION

684401 IONS

1448919 ION

(ION OR IONS)

529300 EXCHANGE

15945 EXCHANGES

536829 EXCHANGE

(EXCHANGE OR EXCHANGES)

L2 130062 ION EXCHANGE

(ION(W)EXCHANGE)

=> l1(l)l2
L3 7588 L1(L)L2

=> membrane
655850 MEMBRANE
293853 MEMBRANES
L4 738000 MEMBRANE
(MEMBRANE OR MEMBRANES)

=> l3(l)l4
L5 428 L3(L)L4

=> hydrochloride
140893 HYDROCHLORIDE
9290 HYDROCHLORIDES
L6 145818 HYDROCHLORIDE
(HYDROCHLORIDE OR HYDROCHLORIDES)

=> l4 and l6
L7 3525 L4 AND L6

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	14.49	14.70

FILE 'REGISTRY' ENTERED AT 07:22:15 ON 24 MAR 2005
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 23 MAR 2005 HIGHEST RN 847137-45-5
DICTIONARY FILE UPDATES: 23 MAR 2005 HIGHEST RN 847137-45-5

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e 2-(((1-iminoethyl)amino)ethyl)-2-methyl-cysteine/cn
E1 1 2-(((1-HYDROXYCYCLOHEXYL) METHYL) AMINO) -1,8-DIMETHYL-7- (PHENY
LMETHYL) PURIN-6-ONE/CN
E2 1 2-(((1-HYDROXYCYCLOHEXYL) METHYL) AMINO) -1-METHYL-7- (PHENYLMET
HYL) PURIN-6-ONE/CN
E3 0 --> 2-(((1-IMINOETHYL) AMINO) ETHYL) -2-METHYL-CYSTEINE/CN
E4 1 2-(((1-METHYL-4- (N-NAPHTH-1-YLCARBAMOYL) PIPERAZIN-2-YL) METHY

		L) AMINO) -4 - (BENZIMIDAZOL-1-YL) PYRIMIDINE/CN
E5	1	2 - (((1-METHYLCYCLOPROPYL) CARBONYL) AMINO) -5 - (2,6-DICHLOROBENZ
		YLOXY) PYRAZINE/CN
E6	1	2 - (((1-METHYLETHYL) THIO) METHYL) PHENOL/CN
E7	1	2 - (((1-METHYLINDOL-3-YL) CARBONYL) METHYL) ISOQUINOLINIUM CHLOR
		IDE/CN
E8	1	2 - (((1-METHYLINDOL-3-YL) CARBONYL) METHYL) ISOQUINOLINIUM IODID
		E/CN
E9	1	2 - (((1-METHYLINDOL-3-YL) CARBONYL) METHYL) ISOQUINOLINIUM PERCH
		LORATE/CN
E10	1	2 - (((1-PROPYLIMIDAZOL-5-YL) METHYL) THIO) BENZIMIDAZOL-5-AMINE/
		CN
E11	1	2 - (((1-TERT-BUTOXYCARBONYLPIPERIDIN-4-YL) (5,6,7,8-TETRAHYDRO
		QUINOLIN-8-YL) AMINO) METHYL) BENZIMIDAZOLE-1-CARBOXYLIC ACID T
		ERT-BUTYL ESTER/CN
E12	1	2 - (((1-TERT-BUTYLOXYCARBONYLPIPERIDIN-4-YL) THIO) METHYL) -5-PH
		ENYLPENTANOIC ACID/CN

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

1.72

16.42

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 07:24:24 ON 24 MAR 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'REGISTRY' AT 07:28:27 ON 24 MAR 2005

FILE 'REGISTRY' ENTERED AT 07:28:27 ON 24 MAR 2005

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

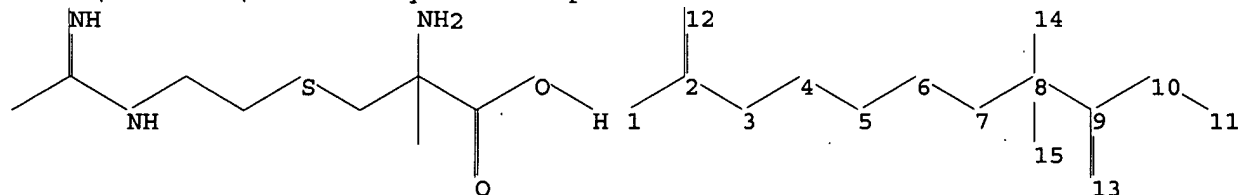
FULL ESTIMATED COST

1.72

16.42

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary
files\10797350\10797350 cysteine cmpd.str



chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

chain bonds :

1-2 2-3 2-12 3-4 4-5 5-6 6-7 7-8 8-9 8-14 8-15 9-10 9-13 10-11

exact/norm bonds :

2-3 2-12 3-4 5-6 6-7 8-14

exact bonds :

1-2 4-5 7-8 8-9 8-15 10-11
normalized bonds :
9-10 9-13

Match level :

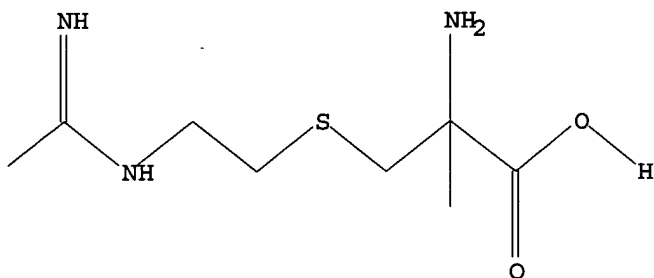
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS

L8 STRUCTURE UPLOADED

=> d l8

L8 HAS NO ANSWERS

L8 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l8 sss sam

SAMPLE SEARCH INITIATED 07:28:58 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 13 TO ITERATE

100.0% PROCESSED 13 ITERATIONS

10 ANSWERS

SEARCH TIME: 00.00.03

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 44 TO 476

PROJECTED ANSWERS: 11 TO 389

L9 10 SEA SSS SAM L8

=> d scan

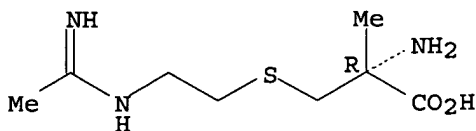
L9 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN L-Cysteine, S-[2-[(1-iminoethyl)amino]ethyl]-2-methyl-,
(2S,3S)-2,3-dihydroxybutanedioate (1:1) (9CI)

MF C8 H17 N3 O2 S . C4 H6 O6

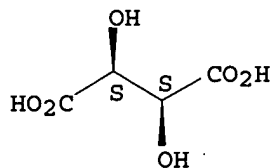
CM 1

Absolute stereochemistry.



CM 2

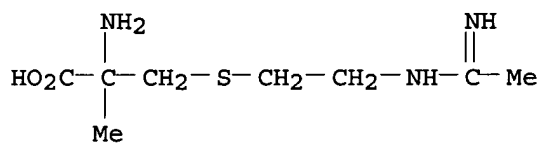
Absolute stereochemistry.



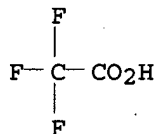
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L9 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Cysteine, S-[2-[(1-iminoethyl)amino]ethyl]-2-methyl-,
bis(trifluoroacetate) (9CI)
MF C8 H17 N3 O2 S . 2 C2 H F3 O2

CM 1



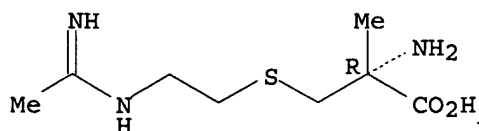
CM 2



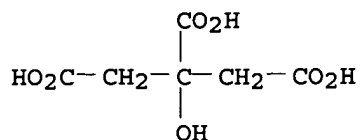
L9 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN L-Cysteine, S-[2-[(1-iminoethyl)amino]ethyl]-2-methyl-,
2-hydroxy-1,2,3-propanetricarboxylate (1:1) (9CI)
MF C8 H17 N3 O2 S . C6 H8 O7

CM 1

Absolute stereochemistry.



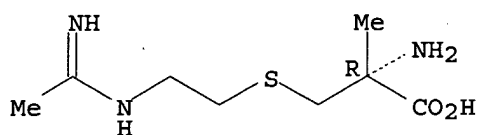
CM 2



L9 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN L-Cysteine, S-[2-[(1-iminoethyl)amino]ethyl]-2-methyl-, compd. with
 L-ascorbic acid (1:1) (9CI)
 MF C8 H17 N3 O2 S . C6 H8 O6

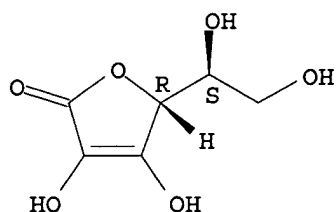
CM 1

Absolute stereochemistry.



CM 2

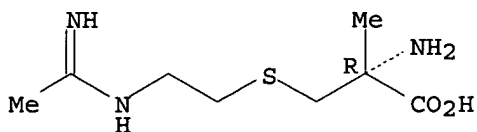
Absolute stereochemistry.



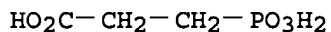
L9 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN L-Cysteine, S-[2-[(1-iminoethyl)amino]ethyl]-2-methyl-,
 mono(3-phosphonopropanoate) (9CI)
 MF C8 H17 N3 O2 S . C3 H7 O5 P

CM 1

Absolute stereochemistry.

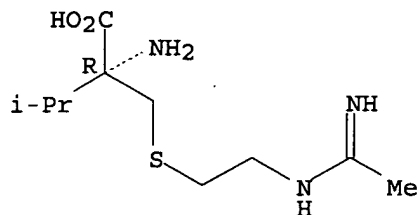


CM 2



L9 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN D-Isovaline, 2'-[[2-[(1-iminoethyl)amino]ethyl]thio]-3-methyl-,
 dihydrochloride (9CI)
 MF C10 H21 N3 O2 S . 2 Cl H

Absolute stereochemistry.

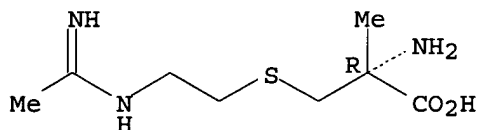


● 2 HCl

L9 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN L-Cysteine, S-[2-[(1-iminoethyl)amino]ethyl]-2-methyl-,
 (2R)-hydroxybutanedioate (20:11) (9CI)
 MF C8 H17 N3 O2 S . 11/20 C4 H6 O5

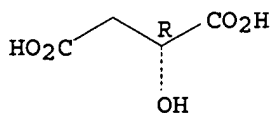
CM 1

Absolute stereochemistry.



CM 2

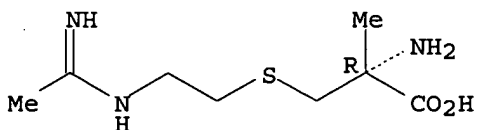
Absolute stereochemistry.



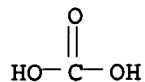
L9 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN L-Cysteine, S-[2-[(1-iminoethyl)amino]ethyl]-2-methyl-, carbonate (1:1)
 (9CI)
 MF C8 H17 N3 O2 S . C H2 O3

CM 1

Absolute stereochemistry.

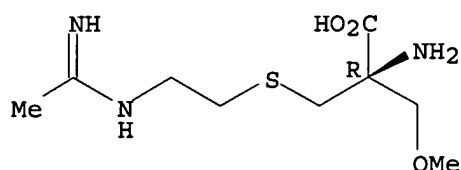


CM 2



L9 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN D-Serine, 2-[[[2-[(1-iminoethyl)amino]ethyl]thio]methyl]-O-methyl- (9CI)
MF C9 H19 N3 O3 S
CI COM

Absolute stereochemistry.

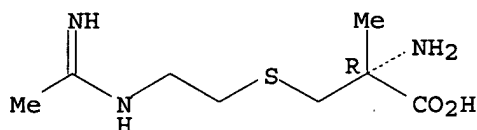


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN L-Cysteine, S-[2-[(1-iminoethyl)amino]ethyl]-2-methyl-, monohydrochloride
mono[(2S)-2-hydroxypropanoate] (9CI)
MF C8 H17 N3 O2 S . C3 H6 O3 . Cl H

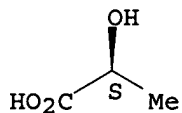
CM 1

Absolute stereochemistry.



CM 2

Absolute stereochemistry. Rotation (+).



ALL ANSWERS HAVE BEEN SCANNED

=> search l8 sss full
FULL SEARCH INITIATED 07:30:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 184 TO ITERATE

100.0% PROCESSED 184 ITERATIONS
SEARCH TIME: 00.00.01

166 ANSWERS

L10 166 SEA SSS FUL L8

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

164.34

179.04

FILE 'CAPLUS' ENTERED AT 07:30:40 ON 24 MAR 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 24 Mar 2005 VOL 142 ISS 13

FILE LAST UPDATED: 23 Mar 2005 (20050323/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l10

L11 15 L10

=> d his

(FILE 'HOME' ENTERED AT 07:18:09 ON 24 MAR 2005)

FILE 'CAPLUS' ENTERED AT 07:18:20 ON 24 MAR 2005

L1 643222 AMINO ACID

L2 130062 ION EXCHANGE

L3 7588 L1(L)L2

L4 738000 MEMBRANE

L5 428 L3(L)L4

L6 145818 HYDROCHLORIDE

L7 3525 L4 AND L6

FILE 'REGISTRY' ENTERED AT 07:22:15 ON 24 MAR 2005

E 2-(((1-IMINOETHYL)AMINO)ETHYL)-2-METHYL-CYSTEINE/CN

L8 STRUCTURE UPLOADED

L9 10 SEARCH L8 SSS SAM

L10 166 SEARCH L8 SSS FULL

FILE 'CAPLUS' ENTERED AT 07:30:40 ON 24 MAR 2005

L11 15 L10

=> save tmp l11 cysteines/a

'CYSTEINES/A' IS NOT VALID HERE

For an explanation, enter "HELP SAVE".

=> save temp l11 cysteines/a

ANSWER SET L11 HAS BEEN SAVED AS 'CYSTEINES/A'

=> l11 and l5
L12 0 L11 AND L5

=> l11 and l3
L13 1 L11 AND L3

=> d l13 ti fbib abs

L13 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
TI Exchanger for selectively removing counterions from compounds and
compounds derived from the methods for pharmaceutical applications
AN 2004:780756 CAPLUS
DN 141:296928
TI Exchanger for selectively removing counterions from compounds and
compounds derived from the methods for pharmaceutical applications
IN Moore, Christine June
PA Pharmacia Corporation, USA
SO PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004081073	A2	20040923	WO 2004-IB529	20040223
	WO 2004081073	A3	20041111		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2004225150	A1	20041111	US 2003-453798P US 2004-797350 US 2003-453798P	P 20030311 20040310 P 20030311
AB	Compds. derived such as S-[2-[(1-iminoethyl)amino]ethyl]-2-methyl-L-cysteine (I) zwitterion with 0-2 molar equivalents of hydrochloride are also disclosed. The chloride removal process was run in batch, but it could easily be run in a plant setting by recirculating the I dihydrochloride solution over an anion exchange resin column or an anion exchange membrane such as Amberlite 400. If the pH is inadvertently raised beyond the desired range, it may easily be adjusted back by adding an appropriate amount of HCl.				

=> logoff hold
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
4.00	183.04

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
CA SUBSCRIBER PRICE

SINCE FILE	TOTAL
ENTRY	SESSION
-0.73	-0.73

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:32:37 ON 24 MAR 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 07:32:58 ON 24 MAR 2005
FILE 'CAPLUS' ENTERED AT 07:32:58 ON 24 MAR 2005
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.00	183.04
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.73	-0.73

=> d his

(FILE 'HOME' ENTERED AT 07:18:09 ON 24 MAR 2005)

FILE 'CAPLUS' ENTERED AT 07:18:20 ON 24 MAR 2005

L1 643222 AMINO ACID
L2 130062 ION EXCHANGE
L3 7588 L1(L)L2
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L6 145818 HYDROCHLORIDE
L7 3525 L4 AND L6

FILE 'REGISTRY' ENTERED AT 07:22:15 ON 24 MAR 2005

E 2-(((1-IMINOETHYL)AMINO)ETHYL)-2-METHYL-CYSTEINE/CN
L8 STRUCTURE UPLOADED
L9 10 SEARCH L8 SSS SAM
L10 166 SEARCH L8 SSS FULL

FILE 'CAPLUS' ENTERED AT 07:30:40 ON 24 MAR 2005

L11 15 L10
SAVE TEMP L11 CYSTEINES/A
L12 0 L11 AND L5
L13 1 L11 AND L3

=> save temp all ionexsrch/l

L# LIST L1-L13 HAS BEEN SAVED AS 'IONEXSRCH/L'

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.90	183.94
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.73	-0.73

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:34:09 ON 24 MAR 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 08:28:12 ON 24 MAR 2005
FILE 'CAPLUS' ENTERED AT 08:28:12 ON 24 MAR 2005
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	4.90	183.94

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.73	-0.73

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	4.90	183.94

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.73	-0.73

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:28:22 ON 24 MAR 2005